

Converting Colors

XYZ(44.2941, 20.7906, 96.2862)

Have a look what the booklet for
XYZ(44.2941, 20.7906, 96.2862)
contains.

XYZ(44.3771, 20.8404, 96.2914)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.3771, 20.8404,
96.2914)**

Conversions

Conversions Part 1

Format	Color
Hex	D103FF
RGB	209, 3, 255
RGB Percent	82%, 1%, 100%
CMY	0.1804, 0.9882, 0.0000
CMYK	0.18, 0.99, 0.00, 0.00
HSL	289°, 100%, 51%
HSV	289°, 99%, 100%
XYZ	44.3771, 20.8404, 96.2914
YIQ	93.3220, 41.8840, 122.0440

Conversions

Conversions Part 2

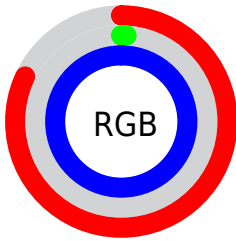
Format	Color
RYB	209, 3, 255
Decimal	13698047
CIELab	52.77, 91.45, -73.40
CIElCh	53, 117.261, 321.250
Yxy	20.8404, 0.2748, 0.1290
Android (android.graphics.Color)	4291888127 (0xFFD103FF)
YUV	93.3220, 79.7073, 101.4496
Hunter-Lab	45.6513, 93.6281, -93.1034

Details

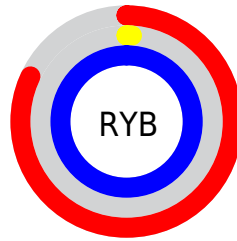
The XYZ color **44.3771, 20.8404, 96.2914** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **37.0438, 72.1799, 12.0663**, and the grayscale version is **10.2951, 10.8312, 11.7952**.

A 20% lighter version of the original color is **63.6577, 37.2154, 98.4359**, and **22.2908, 10.3271, 53.6418** is the 20% darker color. If you saturate the color by 10%, you get **44.1898, 20.6956, 96.2733**, and if you desaturate by 10%, it is **46.1093, 22.3199, 96.4857**.

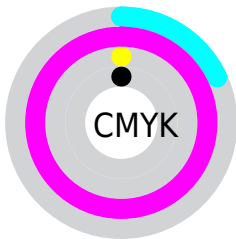
Distribution



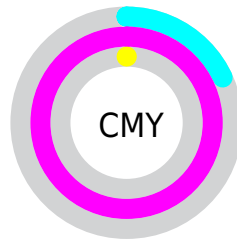
- Red (82%)
- Green (1%)
- Blue (100%)



- Red (82%)
- Yellow (1%)
- Blue (100%)



- Cyan (18%)
- Magenta (99%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (99%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.3771, 20.8404, 96.2914 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 44.3771, 20.8404, 96.2914 by changing the saturation by 10% instead.

 44.3771, 20.8404,
96.2914


 44.3771, 20.8404,
96.2914

355.0712,
256.4291, 569.3806


 31.1663, 13.0074,
72.6075


 81.0277, 44.8218,
158.0584

 20.8779, 7.4336,
53.1652

 105.1982, 61.7389,
196.9786


 13.1468, 3.7347,
37.5460


 133.7526, 82.4529,
241.8145

 7.6074, 1.5263,
25.3314

 167.0564,
107.3481, 292.9849

 3.8944, 0.3071,
16.1029

 205.4747,
136.8089, 350.9081

 1.6426, 0.0000,
9.4419

 249.3731,

 0.4199, 0.0000,

171.2198, 416.0028

4.9298

299.1168,
210.9650, 488.6875

■ 0.0000, 0.0000,
2.1481

■ 0.0000, 0.0000,
0.6442

■ 44.3771, 20.8404,
96.2914

■ 44.3771, 20.8404,
96.2914

■ 44.1898, 20.6956,
96.2733

■ 46.1093, 22.3199,
96.4857

■ 48.3769, 24.8135,
96.8475

■ 51.3047, 28.5695,
97.4181

■ 54.9783, 33.7586,
98.2261

■ 59.4701, 40.5250,
99.2954

■ 64.8433, 48.9950,
100.6471

■ 71.1551, 59.2821,
102.3000

■ 78.4573, 71.4898,
104.2715

■ 86.7982, 85.7140,
106.5774

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.6075, 20.8404, 161.0273



44.3771, 20.8404, 96.2914



53.3073, 20.8404, 34.5501

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



44.3771, 20.8404, 96.2914



23.6034, 20.8404, 0.0000



4.9845, 20.8404, 56.8811

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



44.3771, 20.8404, 96.2914



37.0438, 72.1799, 12.0663

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



4.4749, 20.8404, 13.9142



44.3771, 20.8404, 96.2914



12.4517, 20.8404, 0.0000

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



44.3771, 20.8404, 96.2914



38.4645, 20.8404, 0.0000



6.5499, 20.8404, 1.2552



8.4374, 20.8404, 126.0937

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



44.3771, 20.8404, 96.2914



52.9634, 20.8404, 11.9289



6.5499, 20.8404, 1.2552



4.5413, 20.8404, 38.5221

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



44.3781, 20.8412, 96.2915



70.3579, 57.9672, 102.0883



19.1950, 9.4540, 95.4208



14.4751, 11.4503, 21.6972



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.3781, 20.8412, 96.2915



44.1898, 20.6956, 96.2733



49.0308, 24.4287, 42.7941



18.4484, 18.1229, 22.7757



23.2076, 10.8744, 50.3104



2.3403, 1.1004, 4.9023

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41.8274, 21.5473, 4.8617



41.7440, 21.4616, 4.5841



37.3518, 72.1611, 20.1052



18.1448, 18.0412, 19.3795



21.8508, 11.2296, 2.5990



2.1623, 1.1073, 0.4361

Previews

White Background



This preview shows how the XYZ color 44.3771, 20.8404, 96.2914 looks on a white background.

Color Contrast Check

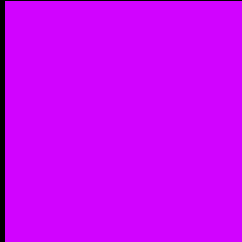
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 44.3771, 20.8404, 96.2914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

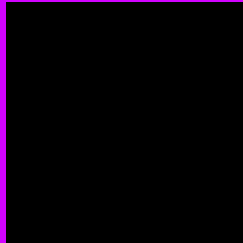
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.3771, 20.8404, 96.2914

Background



This preview shows how black text looks on a background with the XYZ color 44.3771, 20.8404, 96.2914.



This preview shows how white text looks on a background with the XYZ color 44.3771, 20.8404,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

44.3771, 20.8404, 96.2914

Protanopia

25.6118, 21.6328, 97.4334

Deuteranopia

21.8478, 21.5113, 75.6736



Tritanopia

27.9501, 20.8672, 16.4646

Trichromacy



Original Color

44.3771, 20.8404, 96.2914



Protanomaly

25.4621, 15.1916, 96.1980



Deuteranomaly

21.4369, 13.9916, 81.6916



Tritanomaly

31.0883, 18.0896, 35.5713

Monochromacy



Original Color

44.3771, 20.8404, 96.2914



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

17.2750, 10.6496, 30.8508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.3771, 20.8404, 96.2914 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(209, 3, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 3, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(209, 3, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 3, 255) }
```

Border

The CSS property to change the border of an element to XYZ 44.3771, 20.8404, 96.2914 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 3, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(209, 3, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(209, 3, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 3, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 3, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 3,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 44.3771, 20.8404, 96.2914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 3, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(209, 3,  
255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor